

AWIPS ROB 4.1 Brief Summary

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Timm Decker – CIMMS / WDTB

Discrepancy Report Fixes – The following categories are affected by fixes in AWIPS ROB 4.1. A description of each DR and its associated fix follows.

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|-------------------|-------------|
| + WWA | + VTEC OT&E |
| + WarnGen | + RiverPro |
| + Watch By County | |

DISCREPANCY REPORT DESCRIPTIONS AND FIXES (IF AVAILABLE)

1. WWA: MND header tags EXPERIMENTAL & TEST (DR_14983)

In Operational Testing and Evaluation (OT&E), it was discovered that the EXPERIMENTAL tag was not being provided in the MND header.

2. WOU Ingestor Crash with zeroed VTEC Begin time (DR_14989)

When the UGC time/date wraps in the UGC string, the WOU ingestor (wcn.tcl) launched by the forecaster fails/crashes.

3. WOU product class "T" not being carried through to WCN (DR_15005)

When the product class of a WOU is "T," this needs to be carried through into the WCN product, overriding the default setting. This is currently not occurring.

4. Upgrade/downgrade/replace not working while in "Live comm. Test" mode (DR_15007)

During OT&E it was discovered that the upgrade/downgrade/replace function does not work while in "live comm test" mode.

5. D2D/warnGen lockup problem when setting time option (DR_15086)

The warnGen test procedure asked the users to set the time back in D2D. At MHX, the procedure caused D2D to lock up. WarnGen will not open, and the main panel will freeze. It cannot be swapped or cleared. Users must close the D2D and reopen it to recover.

6. H-VTEC line (DR_15013)

When generating a hydro product in WWA, a popup box is displayed to the user after the "Edit & Transmit" button is selected, where the user selects the "Immediate Cause" of the flood. This places the required H-VTEC line into the hazard. However, if the user closes the GUI by selecting the X in the upper right corner, the H-VTEC line will be missing in the generated product.

Correction: Force the user to make a selection in the GUI, but make the first option, "ER - Excessive Rain", the default option so users only have to click "OK" to close the

GUI. The user is not allowed to close the window by selecting the X in the upper right corner.

7. Can't mix test/experimental with active products (DR_15020)

During VTEC/WBC OT&E testing, a bug was discovered where WWA displayed the error box "Can't Mix test/experimental hazards with operational hazards" when the VTEC product class isn't actually mixed. The VTEC class on both watches (WCN) was experimental.

8. Automated WCN follow-up bug while in test mode (DR_15022)

While in test mode, the automated WCN follow-up function does not work. Issued WCNs are not automatically updated when new WOU watch is issued by SPC and the popup box to auto collect missing segments does not display. Also, SLS segments are getting wrapped into this WCN functionality which should not happen.

Correction: Software now performs proper error checking. Forecaster is prompted with a popup box offering the user the option to have the software automatically perform the follow-up and collection of missing segments.

9. Some hydrology products not producing UGC codes (DR_15024)

Site PHI produced an FLS (an Urban/Small Stream Flood Advisory) which did not produce UGC codes. Upon further investigation, the baseline template is expecting a zone-based product, but the default configuration in WWA for this product is set to county-based.

Correction: With the introduction of a new hydrological products directive (922) going into effect soon, all hydro products (except FFA) are to be county based.

10. WWA: Missing hazard script (DR_15037)

During the VTEC OT&E verification process it was noticed that most sites had missing hazards in their characteristics table and what is displayed in their composer hazard menu.

Correction: The missing hazards are added back automatically with correct and full VTEC settings by a script.

11. ATAN WOU ingester failure (DR_15094)

The WOU ingester tcl window fails to decode the correct "ATTN..." when it is parsed prior to the ATTN line. This is preventing the tcl script from grabbing the right line and the correct list of WFOs which the WOU is valid for.

12. WOU ingester window will not come up when WOUs are stored at same time (DR_15042)

When more than one WOU is stored into the TEXT directory at the same time, the WOU ingester window will not come up. Error message "it cannot create another item with the same name" will appear if you launch the window by hand. It turns out that the sorting routine used to plot the WOUs in the pull down menu chronologically attempts to plot the same WOU twice.

Correction: WOU ingester will now appear when the above legal condition occurs.

13. ADR missing admin drop down menu (DR_14987)

ADR is missing from the identifiers list (canceling, clearing, follow-up, and issuance) from the hazard GUI in the miscellaneous format tab.

14. QC bug, time word wrap (DR_15044)

When a time field outside the MND header wraps around to the next line the QC function in the transmit editor gets confused and will block out more text than intended.

15. WWA: VTEC ETN Error while in test mode (DR_15106)

There is an ETN error when canceling TEST products. If it is a WCN product, it will grab the latest number from the VTEC Counter table; if it is any other product, it will actually increment the current VTEC ETN by one.

Correction: Correct ETN is used when canceling test products.

16. transferNWR glitch (DR_15109)

The 5MP backup processor for CRS was causing a 90 second delay of transmission of products when it was the master processor. This does not occur when OMP is the master.

Correction: The delay is reduced to about 10-15 seconds, same as for OMP.

17. Hydro and Marine Segmented template files (Hydro 922 Policy update) (DR_15144)

Enhancement: The Hydro 922 policy is updating the templates for accommodating the new text formats.

18. Allow sites to enable and disable VTEC for individual products (DR_15139)

Enhancement: This DR provides sites the ability to enable or disable VTEC for individual warning products.

19. WWA: Recreate text after cancel transmit increments VTEC ETN (DR_15142)

Under the following scenario, the VTEC ETN was erroneously incrementing: Create a followup/clear/cancel and hit "Edit and Transmit", but cancel out of the Transmit Editor and stay in the WWA Composer, and then hit "Edit and Transmit" again.

20. Problem with start time in VTEC line for corrections (DR_15149)

Correction: The start time of the VTEC line should stay constant for corrections.

21. Failure to ingest WOU with proposed showing (DR_15154)

WWA at LSX failed to ingest WOU5. SPC issued a Severe Thunderstorm Watch, but it appeared as a proposed Tornado Watch in WWA. When WOU5 appeared, WWA would not ingest. At CHS, WWA could not ingest WOU for watch 9907 while proposed watch was still in the monitor window. Once the forecaster deleted the proposed watch, the WOU ingester worked correctly and the WCN was issued.

22. Unable to issue correct WCN upon return from Service Backup (DR_15157)

If a watch is active and a site returns from Service Backup, a followup of the watch would place an "O" in the class placeholder of the VTEC string and reset the ETN to 0001.

23. Unable to delete proposed products in WWA (DR_15160)

The user is unable to delete any proposed products from the WWA monitor window that are sent by its adjacent WFOs. For example WFO CHS is unable to delete a winter storm watch proposed by WFO JAX.

24. Segmentation ordering prompt box (DR_15164)

During field tests of OB4 WWA Alpha, it was observed that the segmentation ordering algorithm prompts the forecaster on the desired ordering. This needs to be automatic with no user prompts. Otherwise, the potential exists that the segment order will not be correct.

25. Dual time zone problem in headlines (DR_15174)

Correction: For sites that have two time zones in the headlines, each time reference needs to contain the time zone identifier, e.g. " BLOWING DUST ADVISORY IN EFFECT FROS 6PM MST (5PM PST) THIS EVENING TO 830 AM MST (730 AM PDT) THURSDAY..."

26. Replacing Test product changes mode and prevents segmentation (DR_15177)

When completely replacing a test watch with warnings/advisories, the mode of the Test product changes from Test to Cancelled. This not only prevents the user from segmenting the watch with the warnings/advisories to get the correct VTEC codes, but deleting/restoring the watch changes the mode back to Active, which is a serious problem.

27. ProdExp field will not go beyond 100 hrs in composer (DR_15179)

The ProdExp time for High Surf Advisory freezes after 100 hours. The Hazards Event Time could be adjusted without any problem, but the ProdExp time was frozen and would not advance. The ProdExp field will not go beyond 100 hours from the initial time of issuance.

Correction: ProdExp field is now extended to 112 hours.

28. TEST not placed in proper line of product (DR_15181)

The "TEST..."/"...TEST" wrap for the product line is sometimes being placed in the wrong line. This only occurs in non-segmented products, and seems to occur when multiple new line characters appear near the top of the product.

29. Intersite/SvcBu does not work with fire weather (DR_15185)

CYS and RIW were attempting a service backup test with the product being RFW. CYS issued the fire weather watch, but RIW was unable to see it, either in local or backup mode. WWA does not store products using fire weather zones. Therefore, surrounding offices will not be able to see an issued RFW and cannot backup that product.

30. Selecting replaced hazards in opposite map crashes WWA (DR_15188)

If you attempt to select a zone-based replaced (canceled) hazard in the WWA Monitor, it causes WWA to crash. The same thing happens if you select a county-based hazard while in the zone map.

31. Address RiverPro VTEC OT&E Issues – Software (DR_15196)

Assorted issues, mostly involving additional QC and increased prevention of errant messages, were identified during the VTEC OTE. This DR fixes Trouble Tickets 97, 163, 171, 175, 187, 200, 207, 239, 240, 244, 245, and 254.

32. Address RiverPro VTEC OT&E Issues – database (DR_15198)

Assorted issues, mostly involving additional QC and increased prevention of errant messages, were identified during the VTEC OTE. This DR fixes Trouble Tickets 97, 163, 171, 175, 187, 200, 207, 239, 240, 244, 245, and 254.

33. Permission problems with files generated by apps under the Tools menu (DR_15257)

Some applications launched from the D2D Tools menu write files to the `/awips/fixa/data/localizationDataSets/CCC` directory. These files are owned by the user logged in at the time and are written with 644 permissions. When the next user logs in and tries to use these applications, they cannot because the files written by the applications don't have group write permissions.

Correction: The application under the Tools menu now has group write permissions.

34. Rotation problem with all plotted winds (DR_15228)

In OB4, an error was made that resulted in a serious problem with the plotted display of winds. When winds are plotted on a non-Mercator map, they should be rotated so they are oriented correctly for the map projection. Beginning in OB4, the winds were not rotated, so as you move farther from the center of the map the winds become more incorrect.

Correction: Winds now map correctly.

35. Cannot follow up a FLW with an FLS like you can with FFW/FFS (DR_15234)

Central Region uses FLWs to issue a real flood warning (same as an FFW just longer duration). Despite using correct init/follow-up syntax in the AUX_INFO tag, there appears to be no way to follow-up an FLW with an FLS.

Correction: This ability is now allowed, but requires some user configuration. See <http://www-sdd.fsl.noaa.gov/~ramer/noaa/ob4.1-wgn/ob4.1-wgn.html>

36. Problems with three WarnGen templates (DR_15259)

Affected templates include the SVS template, `wwa_svrwx_sta_county.preWWA`, the MWS template, `wwa_mar_wx_sta.preWWA`, and the standalone MWS template `wwa_mws_nosmw.preWWA`.

The SVS template has an extra word, while the MWS templates have some extra words and were missing the date/time line in the segment headings. In addition, the standalone MWS template was missing the DURATIONS tag.

Corrections: The new templates contain the following corrections: SVS template- The word "WAS" was eliminated from line 186 of the template. MWS template- The following line was added just below the VTEC line:

```
{ [X$$$SEG_SVS.eq.XYES] | &<NOW | header | local > }
```

Also, in the CAN segment of the MWS, the section that says "SMW CANCELLED", the text says "THE AFFECTED AREA *WASS WERE* ...", which was corrected. This was also noted in a MWS EXP statement. The standalone MWS template- Non-text generating substitution <TWO_TIMES> was removed. The following lines were added just below the first line:

```
<DURATIONS | 10 | 15 | 20 | 25 | 30 | 40 | 45 | 50 |  
1:00=default | 1:30 | 2:00 | 3:00 | 4:00>  
<DEPICT_KEYS|1110|1083>
```

The following date/time tag was added just below the UGC line:

```
{ [X$$$SEG_SVS.eq.XYES] | &<NOW | header | local > }
```

37. LAT/LON info does not automatically appear in the CAN of the SVS (DR_15462)

The LAT/LON info does not automatically appear in the cancellation segment (CAN) of the SVS after the warning area polygon is changed. However, if the area is left unchanged and the county is deselected, the LAT/LON info does appear in the CAN.

Correction: LAT/LON info is now appearing automatically.